

## Specifications

	Diamond DFS Diffuse Surround Speaker
Nominal Impedance	6 Ohms
Recommended Amplifier Power	25 - 200 Watts
Sensitivity (1W@1m)	90 dB
Frequency Response	70 - 20 kHz
Bass Unit	2 x 125 mm Kevlar
Treble Unit	2 x 25 mm Neo Textile Dome
Dimensions Overall	
H x W x D mm	370 x 415 x 178
H x W x D inches	14.6 x 16.3 x 7.0

Wharfedale loudspeakers are compatible with the majority of 4 and 8 Ohm amplifiers

## Service

Items requiring service should be returned to the supplying dealer.  
In the event of any difficulties, contact the distributor for your area.

### USA

**IAG America, Inc.**  
15 Walpole Park South  
Walpole  
MA 02081  
Tel: +1 781 440 0888

### UK (and for information on all areas)

**Wharfedale International Ltd.**  
IAG House, Sovereign Court,  
Ermine Business Park, Huntingdon,  
Cambs PE29 6XU, England.  
Tel: +44 (0)1480 447700  
Fax: +44 (0)1480 431767

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# Diamond DFS

## Diffuse Surround Loudspeaker

## User Guide



# Wharfedale

BRITAIN'S MOST FAMOUS LOUDSPEAKERS



# Wharfedale Diamond DFS Instruction Manual

## INTRODUCTION

The Wharfedale Diamond DFS speakers are bipolar units designed for use solely as rear effects speakers.

In a Home Theatre system, the directional cues come from the front and centre channels. The rear channels provide ambience and rear perspective and for this purpose a bipolar design with its mix of direct and reflected sound is ideal.

The Diamond DFS is fitted with 125mm Kevlar bass units and is ideal for use with other loudspeakers in the award-winning Diamond Series.

Before installing your loudspeakers please read these instructions in full.

## UNPACKING

Carefully unpack each component taking care not to mark the surface. Inspect the product and report any damage immediately to your dealer. Retain the packing so that the product may be safely shipped in the future.

## IMPORTANT DO'S AND DON'TS

**WARNING:** To reduce the risk of fire or electrical shock do not expose this product to rain or moisture. The product must not be exposed to dripping and splashing and no object filled with liquids such as a vase of flowers should be placed on the product.

DO NOT allow foreign objects to fall into the units.

NO naked flame sources, such as a lighted candle must be placed on the product.

NEVER remove any components and refer all servicing to qualified personnel.

DO NOT change any connections to your loudspeakers unless your system is switched off.

DO NOT use your amplifier at its maximum volume setting. The resulting high levels of distortion may damage your loudspeakers.

DO turn down the volume control on your amplifier or receiver before turning the equipment on or off.

The product should be mounted to a wall or ceiling only as recommended by the manufacturer.

## PREPARATION

Each speaker is supplied with four self-adhesive spacers. Apply one to each rear corner before mounting the unit.

## CHOOSING AND PREPARING CABLES

Quality audio cable will give better results than 'zip' or 'bell' wire. Choose a quality loudspeaker cable of suitable diameter. Audio cable is polarised, with two cores of different colours or a coloured tracer. To prepare a cable, split the cores to a depth of 25mm. Strip 7mm of insulation from each end. Stranded cable should be lightly twisted to gather the ends.

When connecting cables, ensure that there are no loose strands which may touch adjacent terminals.

## CONNECTIONS

The DFS speakers connect to the 'Rear' or 'Rear Surround' terminals of your AV amplifier or processor.

You will need one length of twin core cable per speaker. Connect the red (+) terminal of the left rear unit to the red (+) terminal of the amplifier's left rear channel output. Connect the Black (-) terminal of this unit to the corresponding Black (-) terminal of the amplifier. Repeat for the Right speaker. The connection panel uses screw terminals - the drawing illustrates the connection.

## MOUNTING

Connect the cable to the speaker. The speaker should ideally be sited 600 mm- 1.5 metres above the listening position and 2.5-3.5 metres apart, central to the listener and behind the listening position, preferably on a rear wall.

If the listening position is some distance from a rear wall, the loudspeakers may be mounted on opposing side walls but always behind the listening position.

Ensure that the wall is sound and can support the product. Drill two 5mm holes in the wall 160mm apart and horizontally aligned. Fix a suitable No 8 round head screw firmly into each hole using wall plugs appropriate for this purpose. Leave a stub of 5mm protruding from the wall. Align the holes in the mounting brackets over the screw heads and carefully lower the unit onto the screws. The speaker should now be securely attached with the spacers resting against the wall. Now connect the speakers to the amplifier.

Note: For those unable to wall mount the DFS, you should consider using a high pair of suitable floor stands. Consult your dealer for details.

## LOUDSPEAKER SIZES

Many digital AV Processors require you to specify the size of speakers in the various channels. These are usually 'Large' or 'Small'. You must select 'Small' for the rear channels. Selecting 'Large' may degrade the performance of the DFS.

Set the 'Subwoofer' option on the processor to 'On' or 'Yes'. This will route all the deep bass to the subwoofer.

## CONNECTING WIRES

When wall mounting a loudspeaker the connecting cables may be unacceptably obvious. It may be less obtrusive to route cables from the loudspeaker to the ceiling and then within or underneath the ceiling or coving. The cable may then return to floor level at a convenient room corner.

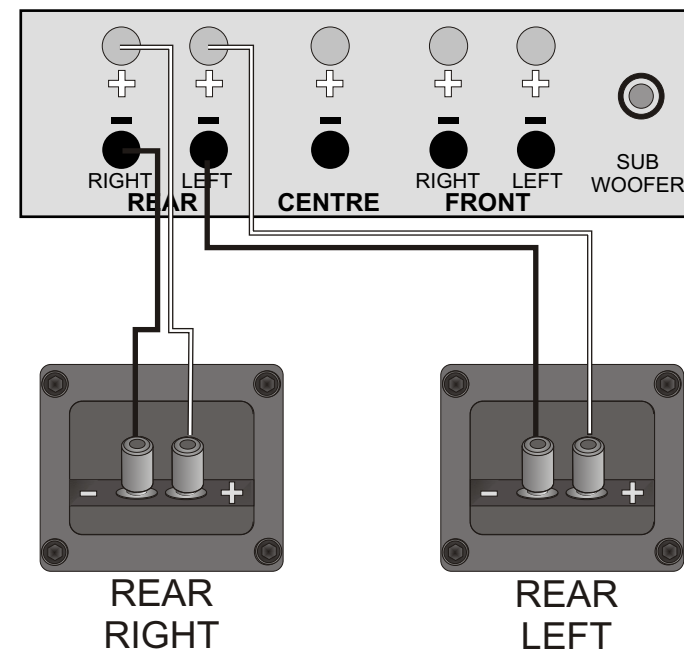
## CARE AND MAINTENANCE

NEVER touch the drive units which are easily damaged.

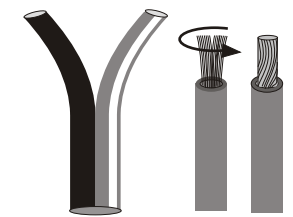
The loudspeaker cabinets can be cleaned with a damp cloth or with a spray furniture polish and a soft cloth. Apply the spray sparingly to the cloth and then polish the cabinet. Never apply spray directly to the cabinet.

Please refer to the relevant drawings on the facing page for guidance and further information.

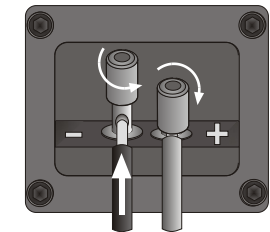
## DFS Loudspeaker Connections



## Preparing Speaker Cables



## Connecting Speaker Cables

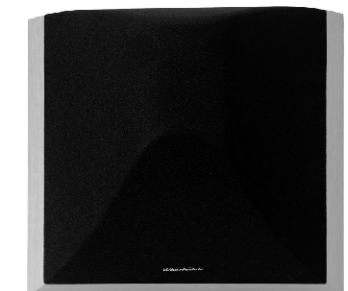
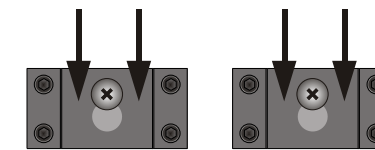
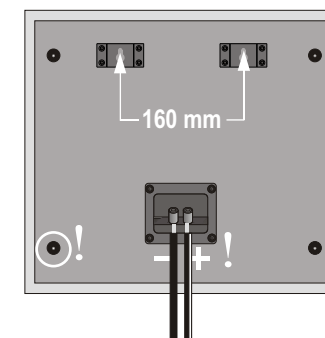


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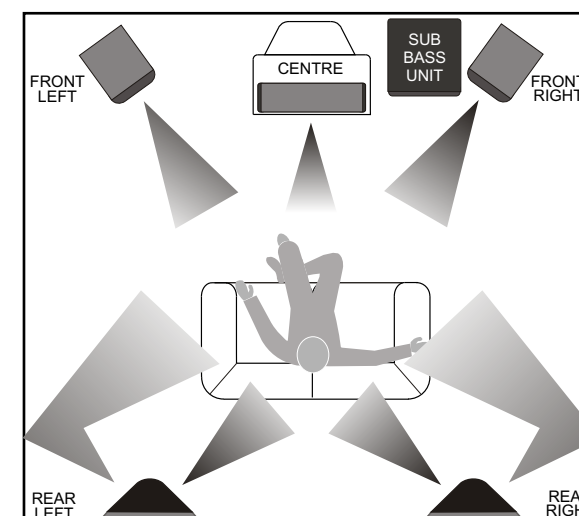
## Wall Mounting the DFS Surrounds

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## System with Rear Mounted DFS Surrounds



## System with Side Mounted DFS Surrounds

